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Glu Thr Glu Thr Cys Leu His Thr Leu Gln Gly His Thr Asn Arg Val

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Leu Ala Leu Asp Glu Leu Ile Asp Ser Cys Glu Pro Thr Gln Val Lys
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		195			2,0	501	200	-1-		9	0211	205	5	110	11010
		193					200					203			
Thr	Asn	Trp	Arg	Arg	Gly		Leu	Lys	Ser	Pro	Lys	Val	Leu	Lys	Gly
	210					215					220				
His	Asp	Asp	His	Val	Ile	Thr	Суѕ	Leu	Gln	Phe	Cys	Gly	Asn	Arg	Ile
225					230					235					240
Val	Ser	Gly	Ser	Asp	Asp	Asn	Thr	Leu	Lys	Val	Trp	Ser	Ala	Val	Thr
				245					250					255	
Glv	Lvc	Cve	T.OU	λκα	Фbr	T.OU	V a l	Glv	иie	Thr	Gly	Gly	Va 1	Trp	Sar
GIŞ	БУБ	Cys		-	1111	neu	vai	_	1115	1111	Gry	Gly		ΙΙĐ	Ser
			260					265					270		
Ser	Gln	Met	Arg	Asp	Asn	Ile	Ile	Ile	Ser	Gly	Ser	Thr	Asp	Arg	Thr
		275					280					285			
Leu	Lys	Val	Trp	Asn	Ala	Glu	Thr	Gly	Glu	Cys	Ile	His	Thr	Leu	Tyr

Gly H	is T	hr	Ser	Thr	Val	Arg	Сув	Met	His	Leu	His	Glu	Lys	Arg	Val
305					310					315					320
Val S	er (	3ly	Ser	`Arg	Asp	Ala	Thr	Leu	Arg	Val	Trp	Asp	Ile	Glu	Thr
				325					330					335	
Gly G	ln (	_		His	Val	Leu	Met		His	Val	Ala	Ala		Arg	Cys
			340					345					350		
Val G	ln T	ſyr	Asp	Gly	Arg	Arg	Val	Val	Ser	Gly	Ala	Tyr	Asp	Phe	Met
	3	355					360					365			
Val L	ys V	Val	Trp	Asp	Pro	Glu	Thr	Glu	Thr	Суѕ	Leu	His	Thr	Leu	Gln
3	70					375					380				
Gly H	is '	Fhr	Asn	Arg	Val	Tyr	Ser	Leu	Gln	Phe	Asp	Gly	Ile	His	Val
385					390					395					400
Val S	er (	Gly	Ser		Asp	Thr	Ser	Ile		Val	Trp	Asp	Val		Thr
				405					410					415	
Gly A	sn (	Cys		His	Thr	Leu	Thr	_	His	Gln	Ser	Leu		Ser	Gly
			420					425					430		
Met G			Lys	Asp	Asn	Ile	Leu	Val	Ser	Gly	Asn	Ala	Asp	Ser	Thr
	•	435					440					445			
Val L	ys	Ile	Trp	Asp	Ile	Lys	Thr	Gly	Gln	Cys	Leu	Gln	Thr	Leu	Gln
4	50					455					460				
Gly P	ro .	Asn	Lys	His	Gln	Ser	Ala	Val	Thr	Суѕ	Leu	Gln	Phe	Asn	Lys
465					470					475					480
Asn P	he	Val	Ile	Thr	Ser	Ser	Asp	Asp			Val	Lys	Leu		Asp
				485					490					495	

Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys <210> 6 <211> 545 <212> PRT <213> Homo sapiens <400> 6 Met Ile Phe Tyr Lys Met Lys Arg Lys Leu Asp His Gly Ser Glu Val Arg Ser Phe Ser Leu Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr Thr Ser Thr Thr Gly Leu Val Pro Cys Ser Ala Thr Pro Thr Thr Phe Gly Asp Leu Arg Ala Ala Asn Gly Gln Gly Gln Gln Arg Arg Ile Thr Ser Val Gln Pro Pro Thr Gly Leu Gln Glu Trp Leu Lys Met Phe Gln Ser Trp Ser Gly Pro Glu Lys Leu Leu Ala Leu Asp Glu Leu Ile Asp

			100					105					110		
				_					_	_	_				
Gln	Phe		Arg	Asp	Phe	Ile		Leu	Leu	Pro	Lys	Glu	Leu	Ala	Leu
		115					120					125			
Tyr	Val	Leu	Ser	Phe	Leu	Glu	Pro	Lys	Asp	Leu	Leu	Gln	Ala	Ala	Gln
	130					135					140				
Thr	Cys	Arg	Tyr	Trp	Arg	Ile	Leu	Ala	Glu	Asp	Asn	Leu	Leu	Trp	Arg
145					150					155					160
Glu	Lys	Cys	Lys	Glu	Glu	Gly	Ile	Asp	Glu	Pro	Leu	His	Ile	Lys	Arg
				165					170					175	
Arg	Lys	Val	Ile	Lys	Pro	Gly	Phe	Ile	His	Ser	Pro	Trp	Lys	Ser	Ala
			180					185					190		
Tyr	Ile	Arg	Gln	His	Arg	Ile	Asp	Thr	Asn	Trp	Arg	Arg	Gly	Glu	Leu
		195					200					205			
Lvs	Ser	Pro	Lvs	Val	Leu	Lvs	Glv	His	Asp	Asp	His	Val	Ile	Thr	Cvs
	210		-			215			_		220				
Len	Gln	Phe	Cvs	Glv	Asn	Ara	Tle	Val	Ser	Glv	Ser	Asp	Asn	Asn	Thr
225	OIII	1110	Cyb	Cly	230	nrg	110	VUI	DCI	235	501	мор	пор	AGII	240
223					230					233					240
T 011	T	7727	m~~	C0~	71-	17-1		C1	T 110	Cura	T 011	7~~	mb v	T 011	17-1
ьeu	гуѕ	vai	тъ		Ala	Val	TILL	GIY		cys	nea	Arg	THE		Val
				245					250					255	
					•	_									
GIY	Hıs	Thr		GIY	Val	Trp	Ser		Gln	Met	Arg	Asp		Ile	Ile
			260					265					270		
Ile	Ser	Gly	Ser	Thr	Asp	Arg	Thr	Leu	Lys	Val	Trp	Asn	Ala	Glu	Thr
		275					280					285			

Ser Cys Glu Pro Thr Gln Val Lys His Met Met Gln Val Ile Glu Pro

Gly	Glu	Cys	Ile	His	Thr	Leu	Tyr	Gly	His	Thr	Ser	Thr	Val	Arg	Cys
	290					295					300				
Met	His	Leu	His	Glu	Lys	Arg	Val	Val	Ser	Gly	Ser	Arg	Asp	Ala	Thr
305					310					315					320
303															
_	_		_	•	-1.	<b>~1</b> .	m1	01	<b>~1</b>	<b>0</b>	•	**! -	**- 1	•	<b>V</b> - +
Leu	Arg	vaı	Trp		Ile	GIU	Thr	GIY		Cys	ьеп	HIS	vai		Met
				325					330					335	
Gly	His	Val	Ala	Ala	Val	Arg	Cys	Val	Gln	Tyr	Asp	Gly	Arg	Arg	Val
			340					345					350		
Val	Ser	Gly	Ala	Tyr	Asp	Phe	Met	Val	Lys	Val	Trp	Asp	Pro	Glu	Thr
		355					360					365			
Glu	Thr	Cvs	Len	His	Thr	Len	Gln	Glv	His	Thr	Asn	Ara	Va1	Ͳvr	Ser
0-4	370	<b>4</b> 72				375		~_1			380	5		-1-	
	370					373					300				
							_	_							
Leu	Gln	Phe	Asp	Gly	Ile	His	Val	Val	Ser	Gly	Ser	Leu	Asp	Thr	Ser
385					390					395					400
Ile	Arg	Val	Trp	Asp	Val	Glu	Thr	Gly	Asn	Cys	Ile	His	Thr	Leu	Thr
				405					410					415	
Gly	His	Gln	Ser	Leu	Thr	Ser	Gly	Met	Glu	Leu	Lys	Asp	Asn	Ile	Leu
			420					425					430		
₩a1	Ser	G1v	Δen	Δla	Δsn	Ser	Thr	Va 1	Lvs	Tle	Ψrn	Asn	Tle	Lvs	Thr
val	501	435			p	501	440		275			445		-10	
		433					440					443			
												_	_		
Gly		Cys	Leu	Gln	Thr	Leu	Gln	Gly	Pro	Asn	Lys	His	Gln	Ser	Ala
	450					455					460				
Val	Thr	Cys	Leu	Gln	Phe	Asn	Lys	Asn	Phe	Val	Ile	Thr	Ser	Ser	Asp
465					470					475					480

Asp Gly Thr Val Lys Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg

485 490 495

Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg
500 505 510

Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn
515 520 525

Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met 530 535 540

Lys

545

<210> 7

<211> 540

<212> PRT

<213> Homo sapiens

<400> 7

Met Lys Arg Lys Leu Asp His Gly Ser Glu Val Arg Ser Phe Ser Leu

1 5 10 15

Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr Thr Ser Thr Thr Gly Leu
20 25 30

Val Pro Cys Ser Ala Thr Pro Thr Thr Phe Gly Asp Leu Arg Ala Ala 35 40 45

Asn Gly Gln Gln Gln Arg Arg Ile Thr Ser Val Gln Pro Pro 50 55 60

Thr Gly Leu Gln Glu Trp Leu Lys Met Phe Gln Ser Trp Ser Gly Pro 65 70 75 80

Glu Lys Leu	Leu Ala L	eu Asp Glu	Leu Ile	Asp Ser (	Cys Glu Pr	o Thr
	85		90		9	5
Gln Val Lys	His Met M	et Gln Val	Tle Glu	Pro Gln I	Phe Gln Ar	a Asn
Cin vai bys		cc om var				9
	100		105		110	
Phe Ile Ser	Leu Leu P	ro Lys Glu	Leu Ala	Leu Tyr '	Val Leu Se	r Phe
115		120		:	125	
Leu Glu Pro	Lys Asp L	eu Leu Gln	Ala Ala	Gln Thr (	Cys Arg Ty	r Trp
130		135		140		
130		133		140		
Arg Ile Leu	Ala Glu A	sp Asn Leu	Leu Trp	Arg Glu	Lys Cys Ly	s Glu
145	1	50		155		160
Glu Gly Ile	Asp Glu P	ro Leu His	Ile Lys	Arg Arg	Lys Val Il	e Lys
	165		170		17	5
Pro Gly Phe	Tle Hic 9	er Pro Trr	Lve Ser	Ala Tyr	Tle Ara Gl	n His
iro dry inc		CI 110 11p		1114 171		
	180		185		190	
Arg Ile Asp	Thr Asn T	rp Arg Arg	Gly Glu	Leu Lys	Ser Pro Ly	s Val
195		200			205	
Leu Lys Gly	His Asp A	sp His Val	Ile Thr	Cys Leu	Gln Phe Cy	s Gly
210		215		220		
3 3 T1-	Wal Ga 6	Co. 3		Mb To	I.a Vol Ma	Com
Asn Arg Ile			Asp Asn		Lys vai Ti	
225	2	30		235		240
Ala Val Thr	Gly Lys C	ys Leu Arg	Thr Leu	Val Gly	His Thr Gl	y Gly
	245		250		25	55
Val Trp Ser	Ser Gln N	et Ara As	λan Tla	Tle Tle	Ser Gly Ca	or ጥbr
var irb ser		or ard up		11G 11G		1114
	260		265		270	

Asp Arg Thr Leu Lys Val Trp Asn Ala Glu Thr Gly Glu Cys Ile His

		275					280					285			
Thr	Leu	Tyr	Gly	His	Thr	Ser	Thr	Val	Arg	Cys	Met	His	Leu	His	Glu
	290					295					300				

Lys Arg Val Val Ser Gly Ser Arg Asp Ala Thr Leu Arg Val Trp Asp 305 310 315 320

Ile Glu Thr Gly Gln Cys Leu His Val Leu Met Gly His Val Ala Ala
325 330 335

Val Arg Cys Val Gln Tyr Asp Gly Arg Arg Val Val Ser Gly Ala Tyr  $340 \hspace{1.5cm} 345 \hspace{1.5cm} 350$ 

Asp Phe Met Val Lys Val Trp Asp Pro Glu Thr Glu Thr Cys Leu His 355 360 365

Thr Leu Gln Gly His Thr Asn Arg Val Tyr Ser Leu Gln Phe Asp Gly 370 380

Ile His Val Val Ser Gly Ser Leu Asp Thr Ser Ile Arg Val Trp Asp 385 390 395 400

Val Glu Thr Gly Asn Cys Ile His Thr Leu Thr Gly His Gln Ser Leu
405 410 415

Thr Ser Gly Met Glu Leu Lys Asp Asn Ile Leu Val Ser Gly Asn Ala 420 425 430

Asp Ser Thr Val Lys Ile Trp Asp Ile Lys Thr Gly Gln Cys Leu Gln
435 440 445

Thr Leu Gln Gly Pro Asn Lys His Gln Ser Ala Val Thr Cys Leu Gln
450 455 460

Phe Asn Lys Asn Phe Val Ile Thr Ser Ser Asp Asp Gly Thr Val Lys

465 470 475 480

Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu
485 490 495

Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg Ile Arg Ala Ser Asn 500 505 510

Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr
515 520 525

Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys
530 535 540

<210> 8

<211> 589

<212> PRT

<213> Homo sapiens

<400> 8

Met Ser Lys Pro Gly Lys Pro Thr Leu Asn His Gly Leu Val Pro Val

1 5 10 10 15

Asp Leu Lys Ser Ala Lys Glu Pro Leu Pro His Gln Thr Val Met Lys
20 25 30

Ile Phe Ser Ile Ser Ile Ile Ala Gln Gly Leu Pro Phe Cys Arg Arg 35 40 45

Arg Met Lys Arg Lys Leu Asp His Gly Ser Glu Val Arg Ser Phe Ser 50 55 60

Leu Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr Thr Ser Thr Thr Gly
65 70 75 80

Leu Val Pro Cys Ser Ala Thr Pro Thr Thr Phe Gly Asp Leu Arg Ala

				85					90					95	
Ala	Asn	Gly	Gln 100	Gly	Gln	Gln	Arg	Arg 105	Arg	Ile	Thr	Ser	Val	Gln	Pro
Pro	Thr	Gly	Leu	Gln	Glu	Trp	Leu	Lys	Met	Phe	Gln	Ser	Trp	Ser	Gly
		115					120					125			

Pro Glu Lys Leu Leu Ala Leu Asp Glu Leu Ile Asp Ser Cys Glu Pro 130 135 140

Thr Gln Val Lys His Met Met Gln Val Ile Glu Pro Gln Phe Gln Arg
145 150 155 160

Asp Phe Ile Ser Leu Leu Pro Lys Glu Leu Ala Leu Tyr Val Leu Ser 165 170 175

Phe Leu Glu Pro Lys Asp Leu Leu Gln Ala Ala Gln Thr Cys Arg Tyr

180 185 190

Trp Arg Ile Leu Ala Glu Asp Asn Leu Leu Trp Arg Glu Lys Cys Lys

195 200 205

Glu Glu Gly Ile Asp Glu Pro Leu His Ile Lys Arg Arg Lys Val Ile 210 215 220

Lys Pro Gly Phe Ile His Ser Pro Trp Lys Ser Ala Tyr Ile Arg Gln 225 230 235 240

His Arg Ile Asp Thr Asn Trp Arg Arg Gly Glu Leu Lys Ser Pro Lys

245 250 255

Val Leu Lys Gly His Asp Asp His Val Ile Thr Cys Leu Gln Phe Cys
260 265 270

Gly Asn Arg Ile Val Ser Gly Ser Asp Asn Thr Leu Lys Val Trp

275 280 285

Ser	Ala	Val	Thr	Gly	Lys	Cys	Leu	Arg	Thr	Leu	Val	Gly	His	Thr	Gly
	290					295					300				

Gly Val Trp Ser Ser Gln Met Arg Asp Asn Ile Ile Ile Ser Gly Ser 305 310 315 320

Thr Asp Arg Thr Leu Lys Val Trp Asn Ala Glu Thr Gly Glu Cys Ile
325 330 335

His Thr Leu Tyr Gly His Thr Ser Thr Val Arg Cys Met His Leu His 340 345 350

Glu Lys Arg Val Val Ser Gly Ser Arg Asp Ala Thr Leu Arg Val Trp
355 360 365

Asp Ile Glu Thr Gly Gln Cys Leu His Val Leu Met Gly His Val Ala 370 375 380

Ala Val Arg Cys Val Gln Tyr Asp Gly Arg Arg Val Val Ser Gly Ala 385 390 395 400

Tyr Asp Phe Met Val Lys Val Trp Asp Pro Glu Thr Glu Thr Cys Leu 405 410 415

His Thr Leu Gln Gly His Thr Asn Arg Val Tyr Ser Leu Gln Phe Asp 420 425 430

Gly Ile His Val Val Ser Gly Ser Leu Asp Thr Ser Ile Arg Val Trp
435 440 445

Asp Val Glu Thr Gly Asn Cys Ile His Thr Leu Thr Gly His Gln Ser
450 455 460

Leu Thr Ser Gly Met Glu Leu Lys Asp Asn Ile Leu Val Ser Gly Asn 465 470 475 480

Ala Asp Ser Thr Val Lys Ile Trp Asp Ile Lys Thr Gly Gln Cys Leu Gln Thr Leu Gln Gly Pro Asn Lys His Gln Ser Ala Val Thr Cys Leu Gln Phe Asn Lys Asn Phe Val Ile Thr Ser Ser Asp Asp Gly Thr Val Lys Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys <210> 9 <211> 559 <212> PRT <213> Homo sapiens <400> 9 Met Lys Ile Phe Ser Ile Ser Ile Ile Ala Gln Gly Leu Pro Phe Cys 

Phe Ser Leu Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr Thr Ser Thr

Arg Arg Met Lys Arg Lys Leu Asp His Gly Ser Glu Val Arg Ser

35 40 45

Thr Gly Leu Val Pro Cys Ser Ala Thr Pro Thr Thr Phe Gly Asp Leu 50 55 60

Arg Ala Ala Asn Gly Gln Gly Gln Arg Arg Arg Ile Thr Ser Val
65 70 75 80

Gln Pro Pro Thr Gly Leu Gln Glu Trp Leu Lys Met Phe Gln Ser Trp

85 90 95

Ser Gly Pro Glu Lys Leu Leu Ala Leu Asp Glu Leu Ile Asp Ser Cys
100 105 110

Glu Pro Thr Gln Val Lys His Met Met Gln Val Ile Glu Pro Gln Phe 115 120 125

Gln Arg Asp Phe Ile Ser Leu Leu Pro Lys Glu Leu Ala Leu Tyr Val 130 135 140

Leu Ser Phe Leu Glu Pro Lys Asp Leu Leu Gln Ala Ala Gln Thr Cys

145 150 155 160

Arg Tyr Trp Arg Ile Leu Ala Glu Asp Asn Leu Leu Trp Arg Glu Lys

165 170 175

Cys Lys Glu Glu Gly Ile Asp Glu Pro Leu His Ile Lys Arg Arg Lys

180 185 190

Val Ile Lys Pro Gly Phe Ile His Ser Pro Trp Lys Ser Ala Tyr Ile 195 200 205

Arg Gln His Arg Ile Asp Thr Asn Trp Arg Arg Gly Glu Leu Lys Ser 210 215 220

Pro Lys Val Leu Lys Gly His Asp Asp His Val Ile Thr Cys Leu Gln 225 230 235 240

Pile	Cys	GIĀ	ASII	Arg	тте	vai	ser	СтУ	ser	ASP	ASD	ASII	TILL	ьеи	гуs
				245					250					255	
Val	Trp	Ser	Ala	Val	Thr	Gly	Lys	Суѕ	Leu	Arg	Thr	Leu	Val	Gly	His
			260					265					270		
m1.	<b>0</b> 3	a i	17 - T	<b></b>	<b>a</b> -	<b>a</b> -	<b>01</b>	M = '	<b>3</b>	<b>7</b>	<b>7</b>	T1 -	T7 -	<b>T</b> 7 -	C
Thr	Gly	GIY	val	Trp	ser	ser	GIN	Met	Arg	Asp	Asn	тте	тте	тте	ser
		275					280					285			
Glv	Ser	Thr	Asp	Ara	Thr	Leu	Lvs	Val	Trp	Asn	Ala	Glu	Thr	Glv	Glu
0-1				5			_, ~							1	
	290					295					300				
Cys	Ile	His	Thr	Leu	Tyr	Gly	His	Thr	Ser	Thr	Val	Arg	Cys	Met	His
305					310					315					320
500															
Leu	His	Glu	Lys	Arg	Val	Val	Ser	Gly	Ser	Arg	Asp	Ala	Thr	Leu	Arg
				325					330					335	
•	_	_						_	_			_		~ 3	
Val	Trp	Asp	lle	GIu	Thr	GIY	GIn	Cys	Leu	HIS	vaı	Leu	Met	GIĀ	HIS
			340					345					350		
Val	Ala	Ala	Val	Ara	Cvs	Val	Gln	Tvr	Asp	Glv	Ara	Ara	Val	Val	Ser
				5	-1-			-1-		1	5				
		355					360					365			
Gly	Ala	Tyr	Asp	Phe	Met	Val	Lys	Val	Trp	Asp	Pro	Glu	Thr	Glu	Thr
	370					375					380				
	J.J					3									
Cys	Leu	His	Thr	Leu	Gln	Gly	His	Thr	Asn	Arg	Val	Tyr	Ser	Leu	Gln
385					390					395					400
							_		_	_	_		_		_
Phe	Asp	Gly	Ile	His	Val	Val	Ser	Gly	Ser	Leu	Asp	Thr	Ser	Ile	Arg
				405					410					415	
1 م	Фъъ	Δen	\/a1	G111	ጥ ኮ	Glv	Acn	Cve	Tle	Hic	ጥኮ፦	Ţ. <b>e</b> 11	ጥኮኮ	Glv	His
val	тър	Asp			1111	GTĀ	ASII		**6	1115	1111	มอน		GIY	1113
			420					425					430		

Gln Ser Leu Thr Ser Gly Met Glu Leu Lys Asp Asn Ile Leu Val Ser Gly Asn Ala Asp Ser Thr Val Lys Ile Trp Asp Ile Lys Thr Gly Gln Cys Leu Gln Thr Leu Gln Gly Pro Asn Lys His Gln Ser Ala Val Thr Cys Leu Gln Phe Asn Lys Asn Phe Val Ile Thr Ser Ser Asp Asp Gly Thr Val Lys Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys <210> 10 <211> 540 <212> PRT <213> Homo sapiens <400> 10 Met Lys Arg Lys Leu Asp His Gly Ser Glu Val Arg Ser Phe Ser Leu 

Gly Lys Lys Pro Cys Lys Val Ser Glu Tyr Thr Ser Thr Thr Gly Leu

Val	Pro	Cys	Ser	Ala	Thr	Pro	Thr	Thr	Phe	Gly	Asp	Leu	Arg	Ala	Ala
		35					40					45			
Asn	Glv	Gln	Glv	Gln	Gln	Arg	Arq	Arq	Ile	Thr	Ser	Val	Gln	Pro	Pro
	50		1			55					60				
	30					20					00				
			_	_											
Thr	Gly	Leu	Gln	Glu	Trp	Leu	Lys	Met	Phe	Gln	Ser	Trp	Ser	Gly	Pro
65					70					75					80
Glu	Lys	Leu	Leu	Ala	Leu	Asp	Glu	Leu	Ile	Asp	Ser	Cys	Glu	Pro	Thr
				85					90					95	
Gln	Val	Lvs	His	Met	Met	Gln	Val	Ile	Glu	Pro	Gln	Phe	Gln	Arq	Asp
			100					105					110	J	-
			100					100							
_	_									_		<b>_</b>		_	
Phe	Ile		Leu	Leu	Pro	Lys	GIu	Leu	Ala	Leu	Tyr		Leu	ser	Pne
		115					120					125			
Leu	Glu	Pro	Lys	Asp	Leu	Leu	Gln	Ala	Ala	Gln	Thr	Cys	Arg	Tyr	Trp
	130					135					140				
Arg	Ile	Leu	Ala	Glu	Asp	Asn	Leu	Leu	Trp	Arg	Glu	Lys	Cys	Lys	Glu
145					150					155					160
01	01	<b>T</b> 1 -	3	<b>01</b>	D	T	TT : ~	T1.	T	7	7	T	7701	T10	T
GIU	GIY	ire	Asp		Pro	Leu	mis	тте		Arg	Arg	гув	vai		гуѕ
				165					170					175	
Pro	Gly	Phe	Ile	His	Ser	Pro	Trp	Lys	Ser	Ala	Tyr	Ile	Arg	Gln	His
			180					185					190		
Arg	Ile	Asp	Thr	Asn	Trp	Arg	Arg	Gly	Glu	Leu	Lys	Ser	Pro	Lys	Val
		195					200					205			
T 011	T	C1	u: ~	7~~	λαν	ui.	1727	т10	Πρ∾	C170	Lov	C1 ~	Dh.c	Cvc	Glv
ьeu	_	_	пıs	ASP	Азр			тте	rnr	cys		GIN	rne	cys	Gly
	210					215					220				

ASI	Arg	116	vaı	ser	GIA	Ser	Asp	ASD	ASII	THE	Leu	ьys	vaı	ттр	ser
225					230					235					240
								_							
Ala	Val	Thr	Gly	Lys	Cys	Leu	Arg	Thr	Leu	Val	Gly	His	Thr	Gly	Gly
				245					250					255	
170 l	m~~	Com	Cor	C15	Mot	2 ~ ~	7 00	λαη	т10	т10	T10	Cor	C111	Cor	Πh ×
vai	пр	ser	ser	GIII	Met	Arg	Asp	ASII	116	116	TIE	Ser	GIY	ser	TIIL
			260					265					270		
Asp	Arq	Thr	Leu	Lys	Val	Trp	Asn	Ala	Glu	Thr	Gly	Glu	Cys	Ile	His
•				•		•					-		•		
		275					280					285			
Thr	Leu	Tyr	Gly	His	Thr	Ser	Thr	Val	Arg	Cys	Met	His	Leu	His	Glu
	290					295					300				
Lys	Arg	Val	Val	Ser	Gly	Ser	Arg	Asp	Ala	Thr	Leu	Arg	Val	Trp	Asp
305					310					315					320
				~-		_			_						
Ile	GIu	Thr	GIY	GIn	Суѕ	Leu	His	Val	Leu	Met	GIA	His	Val	Ala	Ala
				325					330					335	
Va 1	Ara	Cvs	Va1	Gln	Tyr	Asp	Glv	Ara	Ara	Val	Val	Ser	Glv	Ala	Tvr
	9	0,70			-1-		011		9		,	202			-1-
			340					345					350		
Asp	Phe	Met	Val	Lys	Val	Trp	Asp	Pro	Glu	Thr	Glu	Thr	Cys	Leu	His
		355					360					365			
Thr	Leu	Gln	Gly	His	Thr	Asn	Arg	Val	Tyr	Ser	Leu	Gln	Phe	Asp	Gly
	370					375					380				
				_		_	_	_							_
Ile	His	Val	Val	Ser	Gly	Ser	Leu	Asp	Thr	Ser	Ile	Arg	Val	Trp	Asp
385					390					395					400
Va 1	Glu	Thr	Glv	Asn	Cys	Tle	Hie	ጥh <sub>ን</sub>	T,em	ጥh r	Glv	His	G1n	Ser	Len
741	Jiu	1-	U-y		Cys		.113				Jry		J 111		~~u
				405					410					415	

Thr Ser Gly Met Glu Leu Lys Asp Asn Ile Leu Val Ser Gly Asn Ala
420 425 430

Asp Ser Thr Val Lys Ile Trp Asp Ile Lys Thr Gly Gln Cys Leu Gln
435 440 445

Thr Leu Gln Gly Pro Asn Lys His Gln Ser Ala Val Thr Cys Leu Gln
450 455 460

Phe Asn Lys Asn Phe Val Ile Thr Ser Ser Asp Asp Gly Thr Val Lys
465 470 475 480

Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu
485 490 495

Glu Ser Gly Gly Ser Gly Gly Val Val Trp Arg Ile Arg Ala Ser Asn 500 505 510

Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr
515 520 525

Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys
530 535 540

<210> 11

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 11

cgggatccac catggatgat ggatcgatga cacc

<210>	12	
<211>	33	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:	
	Oligonucleotide primer	
<400>	12	
ggaatt	cctt aagggtatac agcatcaaag tcg	33
<210>	13	
<211>	25	
<212>		
<213>	Artificial Sequence	
<220>	Description of Authority Granus	
<223>	Description of Artificial Sequence:	
	Oligonucleotide primer	
<400>	13	
	tcatg tccacatcaa agtcc	25
<210>	14	
<211>	26	
<212>	DNA	
<213>	Artificial Sequence	
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<223>	Description of Artificial Sequence:	
	Oligonucleotide primer	
<400>	14	
ggtaa	ttaca agttcttgtt gaactg	26

<510>	15	
<211>	22	
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<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:	
	Oligonucleotide primer	
<400>	15	
ccctgc	caacg tgtgtagaca gg	22
<210>	16	
<211>	24	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence:	
	Oligonucleotide primer	
<400>	16	
ccagto	ctctg cattccacac tttg	24
<210>	17	
<211>	23	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
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	Oligonucleotide primer	
<400>	17	
ctcag	acagg tcaggacatt tgg	23

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<210> 18
<211> 33
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence:
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<400> 18
                                                                   33
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<210> 19
<211> 34
<212> DNA
<213> Artificial Sequence
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<223> Description of Artificial Sequence:
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<400> 19
                                                                   34
ggaattcctc acttcatgtc acatcaaagt ccag
<210> 20
<211> 1881
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: 6 myc tagged
      homo sapiens
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gaagaggact tgaatgaaat ggagcaaaag ctcatttctg aagaggactt gaatgaaatg 120
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gagcaaaagc tcatttctga agaggacttg aatgaaatgg agcaaaagct catttctgaa 180

```
gaggacttga atgaaatgga gagcttgggc gacctcacca tggagcaaaa gctcatttct 240
gaagaggact tgaattccat gaaaagaaag ttggaccatg gttctgaggt ccgctctttt 300
tctttgggaa agaaaccatg caaagtctca gaatatacaa gtaccactgg gcttgtacca 360
tgttcagcaa caccaacaac ttttggggac ctcagagcag ccaatggcca agggcaacaa 420
cgacgccgaa ttacatctgt ccagccacct acaggcctcc aggaatggct aaaaatgttt 480
cagagetgga gtggaccaga gaaattgett getttagatg aacteattga tagttgtgaa 540
ccaacacaag taaaacatat gatgcaagtg atagaacccc agtttcaacg agacttcatt 600
tcattgctcc ctaaagagtt ggcactctat gtgctttcat tcctggaacc caaagacctg 660
ctacaaqcaq ctcaqacatq tcqctactqq aqaattttqq ctgaaqacaa ccttctctqq 720
agagagaaat gcaaagaaga ggggattgat gaaccattgc acatcaagag aagaaaagta 780
ataaaaccag gtttcataca cagtccatgg aaaagtgcat acatcagaca gcacagaatt 840
gatactaact ggaggcgagg agaactcaaa tctcctaagg tgctgaaagg acatgatgat 900
catgtgatca catgcttaca gttttgtggt aaccgaatag ttagtggttc tgatgacaac 960
actttaaaag tttggtcagc agtcacaggc aaatgtctga gaacattagt gggacataca 1020
ggtggagtat ggtcatcaca aatgagggac aacatcatca ttagtggatc tacagatcgg 1080
acactcaaag tgtggaatgc agagactgga gaatgtatac acaccttata tgggcatact 1140
tccactgtgc gttgtatgca tcttcatgaa aaaagagttg ttagcggttc tcgagatgcc 1200
actcttaggg tttgggatat tgagacaggc cagtgtttac atgttttgat gggtcatgtt 1260
gcagcagtcc gctgtgttca atatgatggc aggagggttg ttagtggagc atatgatttt 1320
atggtaaagg tgtgggatcc agagactgaa acctgtctac acacgttgca ggggcatact 1380
aatagagtet atteattaea gtttgatggt atecatgtgg tgagtggate tettgataea 1440
tccatccgtg tttgggatgt ggagacaggg aattgcattc acacgttaac agggcaccag 1500
tegttaacaa gtggaatgga acteaaagae aatattettg tetetgggaa tgeagattet 1560
acagttaaaa tctgggatat caaaacagga cagtgtttac aaacattgca aggtcccaac 1620
aagcatcaga gtgctgtgac ctgtttacag ttcaacaaga actttgtaat taccagctca 1680
gatgatggaa ctgtaaaact atgggacttg aaaacgggtg aatttattcg aaacctagtc 1740
acattggaga gtggggggag tgggggagtt gtgtggcgga tcagagcctc aaacacaaag 1800
ctggtgtgtg cagttgggag tcggaatggg actgaagaaa ccaagctgct ggtgctggac 1860
                                                                  1881
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<210> 21
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<220>

<sup>&</sup>lt;211> 626

<sup>&</sup>lt;212> PRT

<sup>&</sup>lt;213> Artificial Sequence

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<400	)> 21														
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Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu	Asn	Glu	Met	Glu	Gln	Lys	Leu	Ile
			20					25					30		
Ser	Glu	Glu	Asp	Leu	Asn	Glu	Met	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu
		35					40					45			
Asp	Leu	Asn	Glu	Met	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu	Asn
	50					55					60				
Glu	Met	Glu	Ser	Leu	Gly	Asp	Leu	Thr	Met	Glu	Gln	Lys	Leu	Ile	Ser
65					70					75					80
Glu	Glu	Asp	Leu	Asn	Ser	Met	Lys	Arg	Lys	Leu	Asp	His	Gly	Ser	Glu
				85					90					95	
Val	Arg	Ser	Phe	Ser	Leu	Gly	Lys	Lys	Pro	Cys	Lys	Val	Ser	Glu	Tyr
			100					105					110		
Thr	Ser	Thr	Thr	Gly	Leu	Val	Pro	Cys	Ser	Ala	Thr	Pro	Thr	Thr	Phe
		115					120					125			
Gly	Asp	Leu	Arg	Ala	Ala	Asn	Gly	Gln	Gly	Gln	Gln	Arg	Arg	Arg	Ile
	130					135					140				
Thr	Ser	Val	Gln	Pro	Pro	Thr	Gly	Leu	Gln	Glu	Trp	Leu	Lys	Met	Phe
145					150					155					160
Gln	Ser	Trp	Ser	Gly	Pro	Glu	Lys	Leu	Leu	Ala	Leu	Asp	Glu	Leu	Ile
				165					170					175	

<223> Description of Artificial Sequence: 6 myc tagged

			180					185					190		
Pro	Gln	Phe	Gln	Arg	Asp	Phe	Ile	Ser	Leu	Leu	Pro	Lys	Glu	Leu	Ala
		195					200					205			
Leu	Tyr	Val	Leu	Ser	Phe	Leu	Glu	Pro	Lys	Asp	Leu	Leu	Gln	Ala	Ala
	210					215					220				
Gln	Thr	Cys	Arg	Tyr	Trp	Arg	Ile	Leu	Ala	Glu	Asp	Asn	Leu	Leu	Trp
225					230					235					240
Arg	Glu	Lys	Суз	Lys	Glu	Glu	Gly	Ile	Asp	Glu	Pro	Leu	His	Ile	Lys
				245					250					255	
Arg	Arg	Lys	Val	Ile	Lys	Pro	Gly	Phe	Ile	His	Ser	Pro	Trp	Lys	Ser
			260					265					270		
Ala	Tyr	Ile	Arg	Gln	His	Arg	Ile	Asp	Thr	Asn	Trp	Arg	Arg	Gly	Glu
		275					280					285			
Leu	Lys	Ser	Pro	Lys	Val	Leu	Lys	Gly	His	Asp	Asp	His	Val	Ile	Thr
	290					295					300				
Cys	Leu	Gln	Phe	Cys	Gly	Asn	Arg	Ile	Val	Ser	Gly	Ser	Asp	Asp	Asn
305					310					315					320
Thr	Leu	Lys	Val	Trp	Ser	Ala	Val	Thr	Gly	Lys	Cys	Leu	Arg	Thr	Leu
				325					330					335	
Val	Gly	His	Thr	Gly	Gly	Val	Trp	Ser	Ser	Gln	Met	Arg	Asp	Asn	Ile
			340					345					350		
Ile	Ile	Ser	Gly	Ser	Thr	Asp	Arg	Thr	Leu	Lys	Val	Trp	Asn	Ala	Glu
		355					360					365			

Asp Ser Cys Glu Pro Thr Gln Val Lys His Met Met Gln Val Ile Glu

Thr	Gly	Glu	Cys	Ile	His	Thr	Leu	Tyr	Gly	His	Thr	Ser	Thr	Val	Arg
	370					375					380				
Cys	Met	His	Leu	His	Glu	Lys	Arg	Val	Val	Ser	Gly	Ser	Arg	Asp	Ala
385					390					395					400
ጥክዮ	T.011	Ara	Val	Trn	Δen	Tle	Glu	Thr	Glv	Gln	Cve	T.em	Hic	Va 1	T.eu
****		9	V	405			014		410	<b></b>	0,10	Dou		415	200
				405					410					415	
Met	Gly	His	Val	Ala	Ala	Val	Arg	Cys	Val	Gln	Tyr	Asp	Gly	Arg	Arg
			420					425					430		
Val	Val	Ser	Gly	Ala	Tyr	Asp	Phe	Met	Val	Lys	Val	Trp	Asp	Pro	Glu
		435					440					445			
Thr	Glu	Thr	Cys	Leu	His	Thr	Leu	Gln	Gly	His	Thr	Asn	Arg	Val	Tyr
	450					455					460				
Ser	Leu	Gln	Phe	Asp	Glv	Ile	His	Val	Va1	Ser	Glv	Ser	Leu	Asp	Thr
465					470					475	2				480
403					4,0					7/3					400
<b>G</b>	<b>-1</b> -	3	**- 7	<b></b>		17_ 1	01	ml	01	3	Q	T1 -	77.1 m	ml	<b>T</b>
ser	ire	Arg	Val		Asp	vai	GIU	THE		ASII	Cys	116	nıs		Leu
				485					490					495	
Thr	Gly	His	Gln	Ser	Leu	Thr	Ser	Gly	Met	Glu	Leu	Lys	Asp	Asn	Ile
			500					505					510		
Leu	Val	Ser	Gly	Asn	Ala	Asp	Ser	Thr	Val	Lys	Ile	Trp	Asp	Ile	Lys
		515					520					525			
Thr	Gly	Gln	Cys	Leu	Gln	Thr	Leu	Gln	Gly	Pro	Asn	Lys	His	Gln	Ser
	530					535					540				
ء 1 ۾	1 د رړ	ጥኪ፦	Cys	T.e.i	Gln	Phe	Δen	Luc	Δen	Dhe	Val	Tle	ሞኮሎ	Ser	Ser
	val	1111	Cys	neu		rine	ASII	пåз	YOII		val	116	TIIL	Set	
545					550					555					560

Asp Asp Gly Thr Val Lys Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile

565 570 575

Arg Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Gly Val Val Trp
580 585 590

Arg Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg
595 600 605

Asn Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp 610 615 620

Met Lys

625

<210> 22

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide primer

<400> 22

gggtacccct cattattccc tcgagttctt c

31

<210> 23

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
Oligonucleotide primer

ggaattcctt catgtccaca tcaaagtcc

29

<210> 24

<211> 2010

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: V5HIS tagged homo sapien

<400> 24

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<210> 25

<211> 669

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: V5HIS tagged
homo sapien

<400> 25

Met Cys Val Pro Arg Ser Gly Leu Ile Leu Ser Cys Ile Cys Leu Tyr

1 5 10 15

Cys Gly Val Leu Leu Pro Val Leu Leu Pro Asn Leu Pro Phe Leu Thr
20 25 30

Cys Leu Ser Met Ser Thr Leu Glu Ser Val Thr Tyr Leu Pro Glu Lys  $35 \hspace{1.5cm} 40 \hspace{1.5cm} 45 \hspace{1.5cm}$ 

Gly Leu Tyr Cys Gln Arg Leu Pro Ser Ser Arg Thr His Gly Gly Thr
50 55 60

Glu Ser Leu Lys Gly Lys Asn Thr Glu Asn Met Gly Phe Tyr Gly Thr
65 70 75 80

Leu	Lys	Met	Ile	Phe	Tyr	Lys	Met	Lys	Arg	Lys	Leu	Asp	His	Gly	Ser
				85					90					95	
Glu	Va 1	Ara	Ser	Phe	Ser	Leu	Gly	Lvs	Lvs	Pro	Cvs	Lvs	Va 1	Ser	Glu
Olu	141	9			DC2		C±1		2,5		010	2,0		002	
			100					105					110		
Tyr	Thr	Ser	Thr	Thr	Gly	Leu	Val	Pro	Cys	Ser	Ala	Thr	Pro	Thr	Thr
		115					120					125			
Phe	Gly	Asp	Leu	Arg	Ala	Ala	Asn	Gly	Gln	Gly	Gln	Gln	Arg	Arg	Arg
	130					135					140				
	-30														
		_			_	_			_	_,	~ 7	_		_	
Ile	Thr	Ser	Val	Gln	Pro	Pro	Thr	Gly	Leu	GIn	Glu	Trp	Leu	Lys	Met
145					150					155					160
Phe	Gln	Ser	Trp	Ser	Gly	Pro	Glu	Lys	Leu	Leu	Ala	Leu	Asp	Glu	Leu
				165					170					175	
Tle	Asp	Ser	Cvs	Glu	Pro	Thr	Gln	Val	Lvs	His	Met	Met.	Gln	Val	Ile
			180				· · · ·	185					190		
			100					100					190		
Glu	Pro	Gln	Phe	Gln	Arg	Asp	Phe	Ile	Ser	Leu	Leu	Pro	Lys	Glu	Leu
		195					200					205			
Ala	Leu	Tyr	Val	Leu	Ser	Phe	Leu	Glu	Pro	Lys	Asp	Leu	Leu	Gln	Ala
	210					215					220				
7.7.5	Cln	Thr	Cvc	A ra	Тиг	#rn	ð ra	Tla	Lau	λla	Clu	) en	Δcn	T.011	Leu
	GIII	1111	Суѕ	AIG	_	пр	Arg	TIE	ьеи		GIU	Asp	ASII	Бец	
225					230					235					240
Trp	Arg	Glu	Lys	Суѕ	Lys	Glu	Glu	Gly	Ile	Asp	Glu	Pro	Leu	His	Ile
				245					250					255	
Lys	Ara	Ara	Lys	Val	Ile	Lys	Pro	G1v	Phe	Ile	His	Ser	Pro	Trp	Lys
•	J	,	260			-		265					270	-	-
			200					203					2,0		

Ser Ala Tyr Ile Arg Gln His Arg Ile Asp Thr Asn Trp Arg Arg Gly

275	280	285

Glu Leu Lys Ser Pro Lys Val Leu Lys Gly His Asp Asp His Val Ile Thr Cys Leu Gln Phe Cys Gly Asn Arg Ile Val Ser Gly Ser Asp Asp Asn Thr Leu Lys Val Trp Ser Ala Val Thr Gly Lys Cys Leu Arg Thr Leu Val Gly His Thr Gly Gly Val Trp Ser Ser Gln Met Arg Asp Asn Ile Ile Ile Ser Gly Ser Thr Asp Arg Thr Leu Lys Val Trp Asn Ala Glu Thr Gly Glu Cys Ile His Thr Leu Tyr Gly His Thr Ser Thr Val Arg Cys Met His Leu His Glu Lys Arg Val Val Ser Gly Ser Arg Asp Ala Thr Leu Arg Val Trp Asp Ile Glu Thr Gly Gln Cys Leu His Val Leu Met Gly His Val Ala Ala Val Arg Cys Val Gln Tyr Asp Gly Arg 

Arg Val Val Ser Gly Ala Tyr Asp Phe Met Val Lys Val Trp Asp Pro
435 440 445

Glu Thr Glu Thr Cys Leu His Thr Leu Gln Gly His Thr Asn Arg Val
450 455 460

Tyr Ser Leu Gln Phe Asp Gly Ile His Val Val Ser Gly Ser Leu Asp

Thr	Ser	Ile	Arg	Val	Trp	Asp	Val	Glu	Thr	Gly	Asn	Суѕ	Ile	His	Thr
				485					490					495	
Leu	Thr	Gly	His	Gln	Ser	Leu	Thr	Ser	Gly	Met	Glu	Leu	Lys	Asp	Asn
			500					505					510		
Tla	T.Ou	T/a l	Sar	Glv	Δen	Δ1a	Acn	Ser	Thr	Va 1	Lve	Tla	Trn	Asp	Tle
116	neu		Ser	GIY	ASII	AIG	_	DCI	1111	Vul	БуЗ		тър	пър	110
		515					520					525			
Lys	Thr	Gly	Gln	Cys	Leu	Gln	Thr	Leu	Gln	Gly	Pro	Asn	Lys	His	Gln
	530					535					540				
Ser	Ala	Val	Thr	Cys	Leu	Gln	Phe	Asn	Lys	Asn	Phe	Val	Ile	Thr	Ser
545					550					555					560
Ser	Δen	Δen	Glv	Thr	Val	Lve	T.em	Trn	Asn	T.e.11	Lvs	Thr	Glv	Glu	Phe
Ser	rsp	лэр	GIY		Vai	БУЗ	Бец	пъ		Dea	цу		GLY		1110
				565					570					575	
Ile	Arg	Asn	Leu	Val	Thr	Leu	Glu	Ser	Gly	Gly	Ser	Gly	Gly	Val	Val
			580					585					590		
Trp	Arg	Ile	Arg	Ala	Ser	Asn	Thr	Lys	Leu	Val	Cys	Ala	Val	Gly	Ser
		595					600					605			
Ara	Asn	Glv	Thr	Glu	Glu	Thr	Lvs	Leu	Len	Val	Leu	Asp	Phe	Asp	Va 1
ALL G	610	Q1y	1111	OIU	014	615	טעט	200	Dea	Val	620	шр	11.0	p	741
	010					013					020				
Asp	Met	Lys	Glu	Phe	Cys	Arg	Tyr	Pro	Ala	Gln	Trp	Arg	Pro	Leu	Glu
625					630					635					640
Ser	Arg	Gly	Pro	Phe	Glu	Gly	Lys	Pro	Ile	Pro	Asn	Pro	Leu	Leu	Gly
				645					650					655	

Leu Asp Ser Thr Arg Thr Gly His His His His His

<210> 26

<211> 2001

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: MYCHIS tagged homo sapiens

<400> 26

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<210> 27

<211> 666

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: MYCHIS tagged homo sapiens

<400> 27

Met Cys Val Pro Arg Ser Gly Leu Ile Leu Ser Cys Ile Cys Leu Tyr

1 5 10 15

Cys Gly Val Leu Leu Pro Val Leu Leu Pro Asn Leu Pro Phe Leu Thr

Cys Leu Ser Met Ser Thr Leu Glu Ser Val Thr Tyr Leu Pro Glu Lys

35 40 45

Gly Leu Tyr Cys Gln Arg Leu Pro Ser Ser Arg Thr His Gly Gly Thr
50 55 60

Glu Ser Leu Lys Gly Lys Asn Thr Glu Asn Met Gly Phe Tyr Gly Thr
65 70 75 80

Leu Lys Met Ile Phe Tyr Lys Met Lys Arg Lys Leu Asp His Gly Ser

90 95

Phe Gly Asp Leu Arg Ala Ala Asn Gly Gln Gly Gln Arg Arg Arg
130 135 140

Ile Thr Ser Val Gln Pro Pro Thr Gly Leu Gln Glu Trp Leu Lys Met
145 150 155 160

Phe Gln Ser Trp Ser Gly Pro Glu Lys Leu Leu Ala Leu Asp Glu Leu
165 170 175

Ile Asp Ser Cys Glu Pro Thr Gln Val Lys His Met Met Gln Val Ile 180 185 190

Glu Pro Gln Phe Gln Arg Asp Phe Ile Ser Leu Leu Pro Lys Glu Leu
195 200 205

Ala Leu Tyr Val Leu Ser Phe Leu Glu Pro Lys Asp Leu Leu Gln Ala 210 215 220

Ala Gln Thr Cys Arg Tyr Trp Arg Ile Leu Ala Glu Asp Asn Leu Leu 225 230 235 240

Trp Arg Glu Lys Cys Lys Glu Glu Gly Ile Asp Glu Pro Leu His Ile
245 250 255

Lys Arg Arg Lys Val Ile Lys Pro Gly Phe Ile His Ser Pro Trp Lys
260 265 270

Ser Ala Tyr Ile Arg Gln His Arg Ile Asp Thr Asn Trp Arg Arg Gly

Glu	Leu 290	Lys	Ser	Pro	Lys	Val 295	Leu	Lys	Gly	His	Asp 300	Asp	His	Val	Ile
Thr 305	Cys	Leu	Gln	Phe	Cys 310	Gly	Asn	Arg	Ile	Val 315	Ser	Gly	Ser	Asp	Asp 320
Asn	Thr	Leu	Lys	Val 325	Trp	Ser	Ala	Val	Thr 330	Gly	Lys	Cys	Leu	Arg 335	Thr
Leu	Val	Gly	His 340	Thr	Gly	Gly	Val	Trp 345	Ser	Ser	Gln	Met	Arg 350	Asp	Asn
Ile	Ile	Ile 355	Ser	Gly	Ser	Thr	Asp 360	Arg	Thr	Leu	Lys	Val 365	Trp	Asn	Ala
Glu	Thr 370	Gly	Glu	Cys	Ile	His 375	Thr	Leu	Tyr	Gly	His 380	Thr	Ser	Thr	Val
Arg 385	Cys	Met	His	Leu	His 390	Glu	Lys	Arg	Val	Val 395	Ser	Gly	Ser	Arg	Asp
Ala	Thr	Leu	Arg	Val 405	Trp	Asp	Ile	Glu	Thr 410	Gly	Gln	Cys	Leu	His 415	Val
Leu	Met	Gly	His	Val	Ala	Ala	Val	Arg 425	Cys	Val	Gln	Tyr	Asp	Gly	Arg
Arg	Val	Val 435	Ser	Gly	Ala	Tyr	Asp	Phe	Met	Val	Lys	Val 445	Trp	Asp	Pro
Glu	Thr	Glu	Thr	Cys	Leu	His	Thr	Leu	Gln	Gly	His	Thr	Asn	Arg	Val

Tyr Ser Leu Gln Phe Asp Gly Ile His Val Val Ser Gly Ser Leu Asp

Thr Ser Ile Arg Val Trp Asp Val Glu Thr Gly Asn Cys Ile His Thr Leu Thr Gly His Gln Ser Leu Thr Ser Gly Met Glu Leu Lys Asp Asn Ile Leu Val Ser Gly Asn Ala Asp Ser Thr Val Lys Ile Trp Asp Ile Lys Thr Gly Gln Cys Leu Gln Thr Leu Gln Gly Pro Asn Lys His Gln Ser Ala Val Thr Cys Leu Gln Phe Asn Lys Asn Phe Val Ile Thr Ser Ser Asp Asp Gly Thr Val Lys Leu Trp Asp Leu Lys Thr Gly Glu Phe Ile Arg Asn Leu Val Thr Leu Glu Ser Gly Gly Ser Gly Val Val Trp Arg Ile Arg Ala Ser Asn Thr Lys Leu Val Cys Ala Val Gly Ser Arg Asn Gly Thr Glu Glu Thr Lys Leu Leu Val Leu Asp Phe Asp Val Asp Met Lys Glu Phe Cys Arg Tyr Pro Ala Gln Trp Arg Pro Leu Glu Ser Arg Gly Pro Phe Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn 

Met His Thr Gly His His His His His